

04CO

03/08/01

OIPE

#2

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/779,957

DATE: 03/07/2001
 TIME: 11:06:12

Input Set : A:\Mbx 0381.app
 Output Set: N:\CRF3\03072001\I779957.raw

ENTERED

3 <110> APPLICANT: Snell, Kristi D.
 5 <120> TITLE OF INVENTION: Multi-Gene Expression Constructs Containing Modified
 6 Inteins
 8 <130> FILE REFERENCE: MBX 038
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/779,957
 C--> 11 <141> CURRENT FILING DATE: 2001-02-09
 13 <160> NUMBER OF SEQ ID NOS: 2
 15 <170> SOFTWARE: PatentIn Ver. 2.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 1617
 19 <212> TYPE: DNA
 20 <213> ORGANISM: Pyrococcus sp.
 22 <220> FEATURE:
 23 <221> NAME/KEY: misc_feature
 24 <222> LOCATION: (1)..(3)
 25 <223> OTHER INFORMATION: Asparagine residue encoded at N-terminal extein
 26 junction point
 28 <220> FEATURE:
 29 <221> NAME/KEY: misc_feature
 30 <222> LOCATION: (1615)..(1617)
 31 <223> OTHER INFORMATION: Serine residue encoded at C-terminal extein
 32 junction point
 34 <400> SEQUENCE: 1
 35 aacagcatttt tacccgaaga atgggttcca ctaattaaaa acggtaaagt taagatatcc 60
 36 cgcattgggg acttcgttga tggacttatg aaggcgaacc aaggaaaagt gaagaaaacg 120
 37 ggggatacag aagttttaga agttgcagga attcatgcgt tttcctttga caggaaagtc 180
 38 aagaaggccc gtgtaatggc agtgaaagcc gtgataagac accgttatcc cggaaatggt 240
 39 tatagaatag tcttaaactc tggtagaaaa ataacaataa cagaagggca tagcctatct 300
 40 gtctatagga acggggatct cgttgaggca actggggagg atgtcaaat tggggatctt 360
 41 ctgacagttc caagatcagt aaacctacca gagaaaaggg aacgcttgaa tattgttgaa 420
 42 ctctctctga atctctcacc ggaagagaca gaagatataa tacttacgat tccagttaaa 480
 43 ggcagaaaaga acttcttcaa gggaaatgtg agaacattac gttggatttt tggtagaggaa 540
 44 aagagagtaa ggacagcgag ccgctatcta agacaccttg aaaatctcgg atacataagg 600
 45 ttgaggaaaa ttggatacga catcattgat aaggaggggc ttgagaaata tagaacgttg 660
 46 tacgagaaac ttgttgatgt tgtccgctat aatggcaaca agagagagta tttagttgaa 720
 47 tttaatgctg tccgggacgt tatctcacta atgccagagg aagaactgaa ggaatggcgt 780
 48 attggaacta gaaatggatt cagaatgggt acgttcgtag atattgatga agattttgcc 840
 49 aagcttcttg gctactatgt gagcgaggga agtgcgagga agtggagaa tcaaactgga 900
 50 ggttgaggtt acactgtgag attgtacaac gagaacgatg aagttcttga cgacatggaa 960
 51 cacttagcca agaagttttt tgggaaagtc aaacgtggaa agaactatgt tgagatacca 1020
 52 aagaaaatgg cttatatcat ctttgagagc ctttgtggga ctttggcaga aaacaaaagg 1080
 53 gttcctgagg taatctttac ctcatcaaag ggcgttagat gggccttctt tgagggttat 1140
 54 ttcacgcggc atggcgatgt tcacccaagc aagagggttc gcctatcaac gaagagcgag 1200
 55 cttttagtaa atggccttgt tctcctactt aactcccttg gagtatctgc cattaagctt 1260
 56 ggatacgata gcggagtcta cagggtttat gtaaacgagg aacttaagtt tacggaatac 1320
 57 agaaagaaaa agaattgtata tcaactctac attgttccaa aggatattct caaagaaact 1380
 58 tttggtaagg tcttccagaa aaatataagt tacaagaaat ttagagagct tgtagaaaat 1440

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/779,957

DATE: 03/07/2001

TIME: 11:06:12

Input Set : A:\Mbx 0381.app

Output Set: N:\CRF3\03072001\I779957.raw

```

59 ggaaaaacttg acagggagaa agccaaacgc attgagtggg tacttaacgg agatatagtc 1500
60 ctagatagag tcgtagagat taagagagag tactatgatg gttacgttta cgatctaagt 1560
61 gtcgatgaag atgagaattt ccttgctggc tttggattcc tctatgcaca taatagc 1617
64 <210> SEQ ID NO: 2
65 <211> LENGTH: 600
66 <212> TYPE: DNA
67 <213> ORGANISM: Mycobacterium xenopi
69 <220> FEATURE:
70 <221> NAME/KEY: misc_feature
71 <222> LOCATION: (1)..(3)
72 <223> OTHER INFORMATION: Tyrosine residue encoded at N-terminal extein
73     junction point
75 <220> FEATURE:
76 <221> NAME/KEY: misc_feature
77 <222> LOCATION: (558)..(600)
78 <223> OTHER INFORMATION: Threonine residue encoded at C-terminal extein
79     junction point
81 <400> SEQUENCE: 2
82 tactgcatca cgggagatgc gctggttgcc ctacccgagg gcgagtcggt acgcatcgcc 60
83 gacatcgatc cgggtgcgcg gcccaacagt gacaacgcca tcgacctgaa agtccttgac 120
84 cggcatggca atcccgtgct cgccgaccgg ctgttccact ccggcgagca tccggtgtac 180
85 acggtgctga cggtcgaagg tctgcgtgtg acgggcaccg cgaaccaccg gttgtgtgtg 240
86 ttggtcgacg tcgccggggg gccgacctg ctgtggaagc tgatcgacga aatcaagccg 300
87 ggcgattacg cgggtgattca acgcagcgca ttcagcgctc actgtgcagg ttttgcccgc 360
88 ggaaaaccgg aatttgcgcc cacaacctac acagtcggcg tccctggact ggtgcgtttc 420
89 ttggaagcac accaccgaga ccgggacgcc caagctatcg ccgacgagct gaccgacggg 480
90 cgtttctact acgcgaaagt cgccagtgtc accgacgccg gcgtgcagcc ggtgtatagc 540
91 cttcgtgtcg acacggcaga ccacgcgttt atcaccaacg ggttcgtcag ccacaacacc 600

```

VERIFICATION SUMMARY

DATE: 03/07/2001

PATENT APPLICATION: US/09/779,957

TIME: 11:06:13

Input Set : A:\Mbx 0381.app

Output Set: N:\CRF3\03072001\I779957.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date